



**EA MLA Signatory**  
**Český institut pro akreditaci, o.p.s.**  
**Olšanská 54/3, 130 00 Praha 3**

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

# **CERTIFICATE OF ACCREDITATION**

**No. 206/2024**

**Mahr, spol. s r.o.**  
**with registered office Kpt. Jaroše 552, 417 12 Proboštov,**  
**Company Registration No. 49098667**

for the Calibration Laboratory No. **2412**  
Calibration Laboratory – Mahr Proboštov

Scope of accreditation:

Calibration in the field of length and plane angle to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

**ČSN EN ISO/IEC 17025:2018**


In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 597/2022 of 7. 12. 2022, or any administrative acts building upon it.

**The Certificate of Accreditation is valid until: 7. 12. 2027**

Prague: 9. 5. 2024



  
**Jan Velíšek**  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute



Accredited entity according to ČSN EN ISO/IEC 17025:2018:

**Mahr, spol. s r.o.**  
CAB number 2412, Calibration Laboratory – Mahr Proboštov  
Kpt. Jaroše 552, Post code 417 12 Proboštov

**CMC for the field of measured quantity: Length**

Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min.	unit	max.	unit					
1*	Length / Ring gauges									
	- roundness	0 µm	up to	500 µm			0.026 µm	Measuring with a roundness standard	KP 1.1.1	
	- front run-out	0 µm	up to	500 µm			0.027 µm	flatness standard		
	- straightness	0 µm	up to	500 µm	X-axis		0.05 µm	flatness standard		
		0 µm	up to	500 µm	Z-axis		0.2 µm	straightness standard		
	- parallelity	0 µm	up to	500 µm	Z-axis		0.3 µm	parallelity standard		
	- perpendicularity	0 µm	up to	500 µm	X-axis		0.05 µm	flatness standard		
2*	Length / Contourographs									
	- straightness	0 mm	up to	70 mm			0.03 µm	Measuring with a flatness standard	KP 1.2.1	
	- length	0.1 mm	up to	260 mm			0.6 µm	KN100 contour standard		
	- radius	6 mm	up to	100 mm			0.3 µm	radius standard		
3*	Length / Roughness meters									
		0.8 µm	up to	500 µm					KP 1.3.1	
					Roughness Ra		3 %	Comparison with Ra roughness standard		
					Roughness Rz		4 %	with Rz roughness standard		
					Roughness Rmax		4 %	with Rmax roughness standard		
					Profile Pt		2 %	with Pt profile standard		

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

<sup>3</sup> If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).



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Accredited entity according to ČSN EN ISO/IEC 17025:2018:

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Kpt. Jaroše 552, Post code 417 12 Proboštov

**CMC for the field of measured quantity: Plane angle**

Ord. num- ber <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min.	unit	max.	unit					
1*	Angle / Contourographs	0 °		up to	360 °		0.015 °	Measuring with an KN100 contour standard	KP 1.2.1	

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

<sup>3</sup> If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

